APPENDICES

Appendix-1

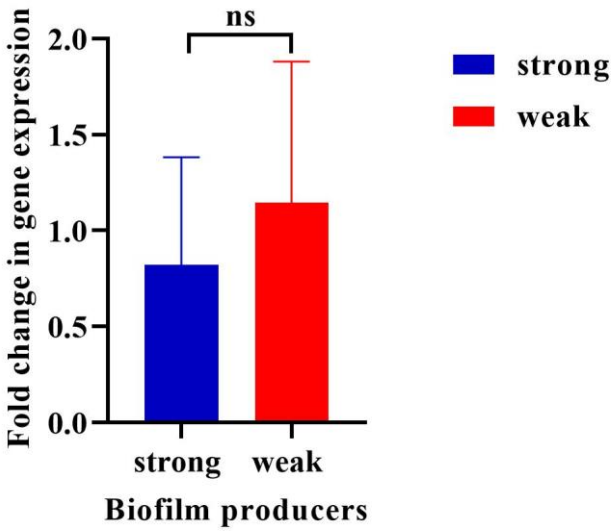

Figure 8.1: Gene expression of *cdrA*. The gene expression of *cdrA* was studied at 24 hours. The data represent three biological triplicates for each strain. The statistically significant represents Student's t-test were ns P >0.5.

Appendix-2: Reagents, enzymes and buffers

Reagents for DNA isolation

- Lysozyme stock solution of 10 mg/ml
- Proteinase K final concentration of 0.1 mg/ml
- Phenol: Chloroform: Isoamyl alcohol ratio in 25:24:1
- Chloroform: Isoamyl alcohol ratio in 24:1
- 1% Sodium dodecyl sulphate (SDS)
- Isopropanol
- Ethanol
- Sodium acetate (3M)
- Tris-EDTA (TE) buffer (10X stock) of pH 8
    - 10mM Tris chloride
    - 1mM EDTA
- Tris Acetate EDTA (TAE) (50X stock) of pH 8
    - 242 g Tris base in Distilled Water (DW)
    - 57.1 l glacial acetic acid
    - 0.5 M EDTA solution of pH 8.0

      Adjust the volume to 1 L
- Tracker dye for DNA gels (6X stock)
    - 2.5 mg/ml Bromophenol blue
    - 13% glycerol

Folin-Lowry reagents for protein estimation

• Solution A- 2 % sodium carbonate in a 0.1 N NaOH solution

• Solution B- 0.5% copper sulphate solution

• Solution C- 1% sodium potassium tartarate solution

• Alkaline reagent is made by mixing solutions A, B, and C in the ratio 48:1:1.

• Folin Ciocalteau (FC) reagent- A 1:1 mixture of FC reagent and distilled water is used.